

Using a WIKI:

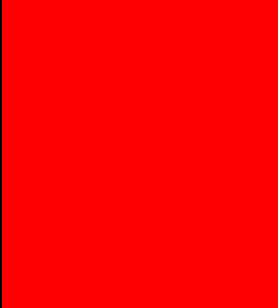
Intodit

Grades 9 -12



Standards	<p>Principles of Biology: B.1 <i>Students work with the concepts, principles, and theories that enable them to understand the living environment. They recognize that living organisms are made of cells or cell products that consist of the same components as all other matter, involve the same kinds of transformation of energy, and move using the same kinds of basic forces. Students investigate, through laboratories and fieldwork, how living things function and how they interact with one another and their environment.</i></p>
Overview	<p>Students will develop and conduct a scientific experiment based on specifications, then use the Intodit wiki builder tool to publish their experiment, incorporating tables and videos or the experiment as parts of the requirement. Because of the gravity of this task student will work in groups of 3-4 and be given multiple weeks to complete the project.</p>
Objectives	<ul style="list-style-type: none">• Have students work collaboratively well with other students in lab groups.• Have students develop meaningful scientific experiments, conduct the correctly, and publish results

	accurately.
Materials	<ul style="list-style-type: none">• Students must have computer access.• Any materials required for experiment, these materials will be decided upon in conferences with teacher before experiment date.
Procedures	<ol style="list-style-type: none">1. Break students into groups of 3-4.2. Give students computer access and allow them 1 class period to choose a topic to do an experiment on. It may be a topic they develop on their own or a topic they find on the Internet and choose to expand on.3. Allow students 3 days to write up an experiment proposal and hypothesis.4. Set up conference times with all student groups.5. Approve or help students improve upon their experiment ideas so that they are at the testing stage.6. Have each group submit a final list of materials needed the day after you have finished conferencing with each group.7. Prepare all materials for students.8. Give students 2 full lab periods to conduct their experiments and collect all their results.9. Take 1 period to conference with students and make sure that they are ready to publish their results and have all their needed data for good publishing.10. Give students 1 full week (5 school days) in the computer lab to develop their Intodit wiki.11. After 1 complete week from final conferences grade all student wikis.
Evaluation	Students will be evaluated throughout the

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process; students will hand in many written portions throughout the planning process, which will count for 10 points each. The final assessment of the wiki will be graded based on a rubric and worth 100 points. The project will be worth approximately 200 points.